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HHE UNITHED STATES OF AMERICA

<u>TO ALL TO WHOM THESE; PRESENTS; SHALL COME;</u>

ATT International Seeds and Rutgers. The State Unibersity of New Jersey

LICENS, THERE HAS BEEN PRESENTED TO THE

Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED DISTINCT VARIETY OF SEXUALLY REPRODUCED, OR TUBER PROPAGATED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE **EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT** VARIETY PROTECTION UNDER THE LAW.

NOW THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF TWENTY PARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC **REPOSEMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY \operatorname{LAW}, THE** IT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR TING IT, OR EXPORTING IT, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE URPOSE, OR CONDITIONING IT FOR PROPAGATION, OR STOCKING IT FOR ANY OF THE ABOVE OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT THE PLANT VARIETY PROTECTION ACT. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.) PRO

FESCUE, TALL

'Bingo'

In Testimone Thereof, I have hereunto set my hand and caused the seal of the Hant Harista Frotestion Office to be affixed at the City of Washington, D.C. this twenty-third day of June, in the year two thousand and five.

Plant Variety Protection Office Agricultural Marketing Scruice

	REPRODUCE LOCALLY. Include form number and date on a. U.S. DEPARTMENT OF AGRICULTURE	FORM APPROVED - OMB NO. 0581-0 The following statements are made in accordance with the Privacy Ac					
APPLICATION FOR PLANT VARRETY PROTECTION CERTIFICATE (Instructions and information collection burden statement on reverse) 1. NAME OF APPLICATION FOR PLANT VARRETY PROTECTION CERTIFICATE (Instructions and information to be caused on reverse) 1. NAME OF APPLICATION is at a to appear on the Certificials (Instructions) 2. THE CONTROLL IN THE PROTECTION CERTIFICATE (Instructions) 3. VANETY NAME Bingo 3. VANETY NAME Bingo 5. THE HONORY DESIGNATION ON DEPTIMENTAL HUMBER ISIT TO 23 Bingo FOR FORCIAL USE ONLY FOR OFFICIAL USE ONLY FOR OFFICIAL USE ONLY FOR ONLY FOR OFFICIAL USE		11974 (5 U.S.C. 552a) and the Paperwork Reduction Act (PRA) of 1995.					
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4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country) PO BOX 229/ To No. No. City, State, and ZIP Code, and Country) PO BOX 229/ To No. No. City, State, and ZIP Code, and Country) PO BOX 229/ To No. No. City, State, and ZIP Code, and Country) Halsey, OR 97348 6. FAX (include area code) 7. GENUS AND SPECIES NAME FESTURE 8. FAMILY NAME (filterandout) FOR OFFICIAL USE ONLY POPO NAMESS 2541-369-2251 7. GENUS AND SPECIES NAME FESTURE 8. FAMILY NAME (filterandout) FOR COTPORT NO NAME (Common names) Tall Fescure 10. If the APPLICANT NAMED IS NOT A "PERSON", GIVE FORM OF ORGANIZATION (corporation, partnership, association, etc.) (Common names) COTPORTATION 11. IF INCORPORATED, GIVE STATE OF INCORPORATION 12. DATE OF INCORPORATION 13. NAME AND ADDRESS OF APPLICANT REPRESENTATIVES), IF ANY, TO SERVE IN THIS APPLICATION AND RECEIVE ALL PAPERS 16. CHECK APPROPRIATE BOX FOR EACH ATTACHMENT SUBMITTED (Follow instructions on reverse) a. (I) Definite. C. Statement of the Basis of the Applicant's Ownership b. (I) ENTRY CALLED C. Additional Description of the Writery Collowal E. Statement of the Basis of the Applicant's Ownership c. (I) Enhibit. C. Statement of the Basis of the Applicant's Ownership d. (I) Enhibit. C. Additional Description of the Writery POPO NAMES 15. FAX (include area code) 16. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VANIETY BE SOLD BY VARIETY NAME ONLY, As A CLASS OF CERTIFIED SEED (See Section Size) of the Part Variety Protection Act 17. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VANIETY BE IMMTED AS TO NAMESER OF SEAL OR MANKETED IN THE U.S. OR OTHER COUNTRIES 18. FYEST TO ITEM 18, WHICH CLASSES OF PRODUCTION BEYOND BREEDER SED CHECK APPROPRIATE SPECIFY THAT SEED OF THIS VANIETY BE IMMTED AS TO NAMESER OF SEAL OR MANKETED IN THE U.S. OR OTHER COUNTRIES 19. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VANIETY BE IMMTED AS TO NAMESER OF SEAL OR MANKETED IN THE U.S. OR OTHER COUNTRIES 19. DOES THE APPLICANT SPECIFY THAT SEED OF THIS VANIET	1. NAME OF APPLICANT(S) (as it is to appear on the Certificate)		3. VARIETY NAME				
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EXHIBIT A

Origin and Breeding history of Bingo Tall Fescue

Bingo tall fescue was developed by Cebece International Seeds using germplasm obtained from the New Jersey Agricultural Experiment Station. It is a medium low-growing, turf-type variety with fine leaves and a rich dark green color. Bingo was selected from the maternal progenies of 45 clones. Forty-six similar and related clones served as additional pollen parents.

The parental germlasm of Bingo traces its origin to plants selected from old turfs of the United States starting in 1962 and subjected to many cycles of phenotypic and genotypic selection. Attractive plants were selected from Bayonne, Cape May, Elizabeth, Jersey City and Princeton, New Jersey; Lexington, Kentucky; Athens, Atlanta, Macon and Millegeville, Georgia; eastern North Carolina; Philadelphia Pennsylvania; Nashville and Chattanooga, Tennessee; Dallas and Fort Worth, Texas; Preston Idaho; Baltimore, Maryland and Cincinnati, Ohio. The origins of selected plants was unknown. Each selected plant appeared to have developed from a single seedling which had persisted and grown over a period of many years. Many were over one meter in diameter. In addition, nearly 20 percent of the parental germplasm of Bingo traces to plants related to Rebel tall fescue. However, most of the germplasm used to develop Rebel comes from plants selected from old turfs in New Jersey starting in 1962.

Promosing plants from old turfs were evaluated in mowed clonal tests, spaced-plant nurseries, and single-plant progeny trials under closely mowed turf maintenance. Seedling populations were often screened for disease resistance, an attractive, rich dardgreen color, abundant tillers and slow growth und cool, short-day green house conditions. Intercrosses of the best performing plants were then subjected to additional cycles of population improvement often including population backcrossing with recurrent phenotypic and genotypic selection.

Large numbers of single-plant progenies were seeded in turfgrass evaluation trials at the Plant Science Research and Extension Farms at North Brunswick and Adelphia, New Jersey during the late summers of 1991, 1992, 1993 and 1994. During the late summer of 1995, a total of 2,800 plants were selected from 30 of the best performing plants and transferred to a spaced-plant nursery at the Adelphia farm. Selection was based on medium reproductive maturity, semi-dwarf growth, an attractive bright dark-green color, and good seed yield potential including many stiff, upright reproductive tillers with large spikelets. Seed was subsequently harvested from 45 plants showing the best floret fertility. One gram of seed of each was sent to Cebeco International Seeds on August 26, 1996 for an additional selection.

In the fall of 1996 a nursery consisting of three replications of 30 plants each from each of the 45 families was established at Cebeco International Seeds Research Station near Tangent, Oregon. From the fall of 1996 through the spring of 1998 the nursery was observed and plants with light green color, coarse leaf texture and susceptibility to leaf

spot diseases were removed. In total approximately 50% of the 4050 plants in the nursery were removed. Prior to flowering in the summer of 1998 22 of the families were moved down. The remaining 23 families were allowed to interpollinate. After seed ripening the families were harvested and cleaned separately. A bulk consisting of equal parts of each of the 23 families was then made. This seed is the stock seed of the variety. A portion of this seed is maintained under controlled conditions by Cobres International Seeds and will be used to establish breeder seed fields as necessary.

Turf plots grown from stock seed and breeder seed generations of Bingo near Tangent, Oregon have shown equivalent turf quality. Therefore it is believed that Bingo is an adequately stable variety.

In a breeder generation field a small (less than 0.5% of the total) number of plants taller than the bulk of the population were observed.

Statement of Uniformity and Stability

The variety Bingo has been observed for two generations of multiplication beyond breeder seed (foundation and certified generations) and has appeared uniform and stable. Bingo has a small (<0.5%) percentage of plants that are somewhat taller and than the rest of the population. The percentage of these plants appears to be stable when seed is multiplied from breeder to foundation generation and from foundation to certified generation.

EXHIBIT B

Statement of Distinctness

Bingo tall fescue (Festuca arundinacea) is a medium late, dark green variety.

Bingo tall fescue is most similar to Mini Mustang. Bingo differs from this variety in characteristics including, but not necessarily limited to the following:

1. Bingo has significantly darker green color than Mini Mustang (7.7 to 7.3 vs. 6.3 to 5.6 on a 1-9 rating scale; 9=very dark green). See Table 1.

EXHIBIT B

Table 1.
Color Ratings of Tall Fescues Grown as Turf Near Tangent, Oregon
(1-9 Rating Scale; 9=Very Dark Green)

NAME	1999	2000
Bingo	7.7	7.3
H6	7	6.9
Mini Mustang	6.3	5.6
Shortstop II	6	5
Pride	5.3	5.4
Pixie	5.3	5.2
Crossfire II	4.7	4.6
Houndog 5	4.7	4.8
Tarheel	4.3	5.4
Era	3.3	4.6
KY 31	2	3.1
LSD@0.05	0.9	0.5

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL MARKETING SERVICE
LIVESTOCK, MEAT, GRAIN AND SEED DIVISION
PLANT VARIETY PROTECTION OFFICE
BELTSVILLE, MARYLAND 20705

EXHIBIT C (Tall & Meadow Fescues)

OBJECTIVE DESCRIPTION OF VARIETY

TALL & MEADOW FESCUES

	·····	(/	estuca spp.)	<u> </u>
DAFNAME OF APPLE	~	~~ ·	EMPORARY DESIGNATISI-TF 23	
**************************************	onal Seeds Inc. 1	tate, and Zip Code)	151-1F 23	Bingo FOR OFFICIAL-USE ONLY
PO Box 229,	(31:534/2005) No.1Chy, S Halsey, OR 97333			PVPO-NUMBER 200100145
or <u>[0] 9</u> j Cha	rracteristics described, including LANTS. Royal Horticultural So	numerical measurem ciety or any recogniz	ents, should represent the ed color fan may be used	ow. Use leading zeroes when necessary (e.g., 0 8 ose that are typical for the variety. Measured data show to determine plant colors; designate system used:
See_exhi	bit C-1	*		
1. SPECIES: (Wi	th comparison varieties for use b	elow — use varieties	within species of applicat	on variety)
1	1 = F. arundinacea (Tall)	11 = Alta 15 = Festal 19 = Kenhy		13 = Goar 14 = Kentucky-31 17 = Rebel 18 = Manade
	2 = F. pratensis (Meadow)	21 = Ensign 25 = Comtessa	22 = Trader	23 = Beaumont 24 = Admira
2. CYTOLOGY:				
4 2	Chromosome Number			
3. ADAPTATION	: (0 = Not Tested; 1 = Not Ada	pted; 2 = Adapted)		
0	Transition Zone	West	Other (Specify)	
4. MATURITY:	Date First Headed, panicle eme	gence) Location(s)	of Trial(s) Tangent	and Harrisburg, Oregon
4	Maturity Class:			
	1 = Very early (4 = Medium late (Barundi, Rei Ensign, Kenhy)) 2 = Early pel, 5 = Late ((Alta, Fawn, S.170)	3 = Medium early (K31, Falcon)
	Date Headed May 14			
0 2	Days earlier than Bonan	za		
: '	Maturity same as Mini Mu	stang .	Compar	ison Variety
0 3	Days later than Rebel	Jr.		
5. PLANT HEIGH	T (Average of 10 tallest culms)			
1085	mm Height (at maturity to	top of panicle)		
0 7 7	mm Shorter than Reb	e1.II [
	Mature Height same as Si	lverado [Compar	ison Variety
0 9 6	mm Taller than Bonsa	i		
0310	mm Height (at ear emergen	ce)		
0 7 6	mm Shorter than Bona	nza		en e
	Emergence height same as	Mini Mustang	Compari	son Variety
0 59	mm Taller than Bon	sai	La la V	

5. PLANT HEI	GHT: (Continued)	2
2 3 9	mm Internode length (spring) (first Internod	200100145 e)
23	mm Shorter than	• }
	Internode same as Bonsai	Comparison Variety
09	mm Longer than Silverado	
2 1 3	mm Width of plant (at ear emergence)	11 AR 23
6. GROWTH HA	ABIT (Mature):	
2	1 = Erect, foliage stiff-upright (Kentucky 31) 3 = Lax (Aberystwyth S.53)	2 = Semi-erect (Beaumont, Rebel)
7. RHIZOMES	(Pseudo):	
	mm Length 1 = Absent 2 = Rare	(Rebel) 3 = Common
8. LEAF BLADE	:	
4	Color: 1 = Light Green (Roa) 3 = Medium Dark Green (Rebel)	2 = Medium Light Green (Beaumont, Kentucky 31) 4 = Dark Green (
1	Anthocyanin: 1 = Absent 2 = Preser	t Hairs (Basal) 1 = Absent 2 = Present
2	Margins: 1 = Smooth 2 = Semi-	rough 3 = Rough
1		m Fine (Rebel, Monaco) 3 = Medium Coarse (K-31, Barundi) Coarse (Hazel)
1 3 2	mm Length (Flag Leaf)	
3 9	mm Shorter than	
	Blade length same as Mini Mustang	Comparison Variety
17	mm Longer than Bonsai	
4 7 0	mm Width	
0 1 4	mm Narrower than . Bonanza	
	Blade width same as Shortstop	Comparison Variety
0 049	mm Wider than Silverado	
9. LEAF SHEATH	1:	
2	Anthocyanin (seedling): 1 = Absent (Kentucky 31)	2 = Present (Kenhy, Forager)
1	Auricle Hairiness: 1 = Absent	2 = Present
10. PANICLE (Ma	ature Plant):	
2	Shape: 1 = Narrow-tapering 2 = Ovate	3 = Oblong 4 = Other (Specify)
2	Type: 1 = Open 2 = Interm	ediate 3 = Compact (appressed)
	Orientation: 1 = Erect 2 = Noddi	
1	Branch Pubescence: 1 = Glabrous	2 = Pubescent
	Anther Color:	2 = Green 3 = Bluish Green
_2	Glume Color 4 = Purplish (At 50% Flowering):	5 = Reddish 6 = Other (Specify)

10. PANICLE:	(Continued)	200100145
2 0 5	mm Length (from base of panicle branch to the tip)	4 4 4 4 5 6 6 6 5
5 6	mm Shorter than	
	Panicle length same as Mini Mustang	Comparison Variety
5 0	mm Longer than Bonsai	1
11. PALEA:		100
2	HAIRS (On keels or margins): 1 = Absent	2 = Short (Missouri 96) 3 = Long ()
12. LEMMA:	1	
	HAIRS: 1 = Absent (Kenhy) 2 = Several	3 = Many (Missouri 96)
5 4	mm Lemma Length (Mature)	
1 2	mm Shorter than Bonanza · · · ·	
	Lemma length same as Bonsai	Comparison Variety
	mm Longer than N/A	
1 6 1	നന Lemma Width	,
6 5	mm Narrower than Rebel Jr	
	Lemma width same as Silverado	Comparison Variety
16	mm Wider than Bonsai	And the second of the second o
2	AWNS: 1 = Absent (Beaumont) 2 = Prese	nt (Falcon, Barundi)
1 2	mm Awn Length	
0 4	mm Shorter than Silverado	
•	Awn length same as . Mini Mustang .	Comparison Variety
	mm Longer than N/A	
13. SEED (With	Lemma & Palea):	
2 3 6 4	mg per 1000 seed	
0 2 3 2	mg per 1000 seed less than . Rebel. Jr	
	Seed weight same as . Crewcut	Comparison Variety
0 2 5 4	mg per 1000 seed more than Bonsai	and the state of t
14. DISEASE, IN	SECT, AND NEMATODE REACTION (0 = Not Tested; 1 =	Susceptible; 2 = Resistant)
0	Melting-out Drechslera poae.	Blind Seed Glocotinia temulenta
	(Helminthosporium vagans).	S. Patch Sclerotinia homoeocarpa
	Leaf Spot D. siccaus	Stripe Smut Ustilago striiformis
<u></u>	Net Blotch D. dictyoides	O. Patch Ophiobolus gramminis
0	Brown Patch Rhizoctonia solani	
0	C. Leaf Spot Cercospora fectucee	T. Blight Typhula incarnata
0	Pink Snow Motd Fusarium nivale	Pythium Blight Pythium spp.
0	Silver Top F. tricinctum, F. roseum	Powdery Mildew Erysiphe graminis
O	Crown Rust Puccinia coronala	Nematode

1	.00	,	an	1	1
•	~	•		•	Τ,

14 DISEASE INSECT					
· —	AND NEMATODE RE	ACTION: (Continued)			554.5
	er				A
" I i	~~~				
Othe	r	Tiv	· ————		•
L <u>4</u> 1	TOPERIOD: 1	= Non-sensitive	2 = Sensitive		
16. 2 WINT	TER HARDINESS: 1	= Susceptible	2 = Resistant		
3 = M	lore than, better, greate	s than comparison variet r, darker, more disease n			T
CHARACTER	VARIETY	D.R.	CHARACTER	VARIETY	D.R.
Leaf Width	Mini Mustang	2	Leaf Color	Mini Mustang	3
Panicle Color					
			Panicle Shape		
Seed Size	Mini Mustans	· · · · · 2	Panicle Shape Cold Injury		
Seed Size Winter Color	Mini Mustang	2			
	I	2	Cold Injury		
Winter Color	I	2	Cold Injury Heat		

Describe all characteristics that cannot be adequately described in the form above in Exhibit D. Comparative varieties should be used as may be appropriate, such as for disease. Append all comparative trial and evaluation data, including measured characters, environmental, and disease tests

- 62 am id.

CHA POWER-WASI

^{18.} ADDITIONAL DESCRIPTION: (Use additional sheets as required)

200/00145

'Bingo'

EXHIBIT C-1

Description of Trials

Turf color data were obtained from plots grown on Woodburn silt loam soil near Tangent, Oregon. Each variety in the test was replicated three times. Cutting height was 1.25 inches and the plots were mowed weekly. Color was evaluated on a 1 to 9 scale with 9 being very dark green and 1 being completely yellow.

Morphological and heading data were collected from two trials in the spring and summer of 2000. One trial was grown near Tangent, Oregon on Woodburn silt loam, a poorly drained soil. The other trial was grown near Harrisburg, Oregon on Newberg fine silty loam, a well drained soil. Each of the trails consisted of three replications of each entry tested and each replication consisted of 20 spaced plants. Plants within a row were spaced 18 inches from each other and there was 3 feet between each row.

Seed used for measurements was harvested by hand stripping ripe seed from each plant in the two trials. Chaff and unfilled seed were removed by hand sifting seed trough coarse screens and blowing the seed in a seed blower.

200100145

EXHIBIT D

Table 2.

2000 Heading Dates of Tall Fescue Varieties Grown Near Tangent and Harrisburg, Oregon

		Harris-
NAME	Tangent	burg
KY 31	May 3	May 12
Rebel Jr.	May 7	May 17
Rebel II	May 8	May 16
Bingo	May 9	May 19
Mini Mustang	May 9	May 21
Crewcut	May 10	May 20
Bonanza	May11	May 23
H6	May 12	May 24
Silverado	May 12	May 24
Shortstop	May 13	May23
Bonsai	May 16	May 28

EXHIBIT D

Table 3.

Morphological measurements of tall fescue varieites grown as spaced plants near Tangent and Harrisburg, Oregon. Measurements were taken in the Spring and Summer of 2000.

	<u>1</u>		Ŋ	4.4	20	5.5	<u> </u>	4	LC:	9	1 0	20	7.0	9.0	
	Width (cm)	Harris-	•				İ							7.6	, 2
	Tiller Leaf Width	Ť	angent										5.9		α
			_												C
	Tiller Leaf Length (cm)	ris-											.7 21.8		00
	LeafLe	Harris											20.7	-	2
	E E		٦			i							22.8		3.2
	h (cm)												6.1		
;	Flag Leaf Width (cm)	Harris	purg	4.4	4.0	5.3	4.7	5.6	5.3	5.3	6.4	5.7	7.3	6.2	6.0
i	Flag		Tangent	<u>~</u>	3.6	4.2	3.0	4.2	4	4.3	3.8	4.4	5.0	2	0.8
	GII)		AVG	11.5	12.8	13.2	13,5	14.2	15.8	15.0	15.4	14.5	18.0		
:	Length	Harris	DING:	1.9	11.7	4.5	13.2	14.1	14.4	15.6	17.7	14.3	19.1	80	2.4
-	riag Leaf Length (cm)	1	angent	1.1	13.9	2	13.9	14.3	17.3	14.3	13.2	14.7	16.9	3	2.5
	-1	,	1										30.3		
1	Lambde Length (cin) And memode Length (cm)					1							27.5	ı	3.5
4	Doulei	_	<u></u>										33.1		
r c	BII ZIII	۲	7			1									3.2
o) quote	0)		1			1							24.9	l	-
I obcura	ם וופסע	_	1			١							26.9		ώ
i i	200	•				1							8.77 28.5		6.3
(cm)			ı			ı							26.7		
e lench	Harrie.		1										23.7		3.5
Panic		Fancent	17.1		22.4	32.4	32.4	3 6	4	3 6	2.5	5.07 5.70 7.70	28.5		2.9
e (cm)		AVG	22.5	7 6	3.5	ć	t C	2 20	- C	3 6	2.20	7 00	39.5	-	
meraena	Harris	bura	100	, r	26.4	25.0	27.0	2 5 5 10	3 6	2.2.0 2.0.0	- C	25.0	35.6		3.8
@Ear E		angent	32.2	40.2	35.6	98.0	20,00	2 7 7	0.70	0.70	5.5	1.0	43.4		4.0
Ť (E)			1										19.6		
Height	Harris-					ļ							97.3		3.6
Mature Plant Height (cm) Ht.@Ear Emergence (cm) Panicle Lenght (cm)	<u> </u>												141.9		 00
Mat		Tang	Ę												~
		NAME	Bonsai	Silverado	Bingo	Mini Mustano	Crewcut	Shortston	Rebell	£	Rehel Ir	Bonanza	KY 31		LSD@0.05

EXHIBIT D

Seed Measurements of Tall Fescue Varieties Grown Near Tangent and Harrisburg, Oregon Table 4.

na)	/6	AVG	2364.00	2110.50	2307.00	2443.50	2312.00	2113.50	2677.00	2596.00	2523.00	2818.50	2366.50	:
1000 seed wt. (ma)	Harris-	pnrd	2379							2649			2344	267
1000		Tangent	2349	2141	2335	2429	2236	2325	2613	2543	2522	2804	2389	171
m)		AVG	1.17	1.47	1.49	1.49	1.62	1.35	1.43	1.46	1.41	1.51	1.53	
Awn Length (mm)	Harris-	burg	1.15	1.45	1.7	1.45	1.65	1.35	4.	1.55	1.35	1.65	1.55	0.36
Awn		Tangent	1.19	1.49	1.27	1.52	1.58	1.34	1.45	1.37	1.47	1.36	1.5	0.28
mm)		AVG	1.61	1.45	1.375	1.575	1.61	1.515	1.525	1.675	1.74	1.675	1.56	
Lemma Width (mm)	Harris-	burg	1.65	1.6	1.35	1.65	1.75	9.	1.55	1.85	1.95	1.65	1.65	0.45
Lemm		Tangent	1.57	1.3	4.1	1.5	1.47	1.43	1.5	1.5	1.53	1.7	1.47	0.24
mm)		AVG	5.37	5.69	5.82	5.86	5.93	6.07	6.52	6.64	6.73	9.76	6.88	
Lemma Length (mm)	Harris-	burg	4.6	5.15	5.3	5.35	5.85	5.7	6.5	6.45	6.95	6.35	6.75	0.7
Lemm		Tangent	6.13	6.23	6.33	6.37	ဖ	6.43	6.53	6.83	6.5	7.17	7	0.45
		NAME	Bingo	Bonsai	웃	Shortstop	Silverado	Mini Mustang	Bonanza	Rebel Jr.	Rebel II	KY 31	Crewcut	LSD@0.05

REPRODUCE LOCALLY. Include form number and date on all reproductions.	·	EODAS ACOMO
U.S. DEPARTMENT OF AGRICULTURE AGRICULTURAL MARKETING SERVICE		FORM APPROVED - OMB NO. 0581-00 de in accordance with the Privacy Act erwork Reduction Act (PRA) of 1995 .
EXHIBIT E STATEMENT OF THE BASIS OF OWNERSHIP	Application is required in order to	determine if a plant variety protection
1. NAME OF APPLICANT(S) DLF Gebeco International Seeds Inc. 70.1 University of New Jersey (BT:5/24/2005) 12.13/04	2. TEMPORARY DESIGNATION OR EXPERIMENTAL NUMBER ISI-TF 23	3. VARIETY NAME Bingo
4. ADDRESS (Street and No., or R.F.D. No., City, State, and ZIP Code, and Country)	E TELEBRONE	
PO Box 229/175 West 'H' Street Halsey, OR 97348	5. TELEPHONE linclude area code! 541–369–2251	6. FAX (include area code) 541-369-2640
USA	7. PVPO NUMBER	100145
8. Does the applicant own all rights to the various? Mark an EVE	acou,	100173
8. Does the applicant own all rights to the variety? Mark an "X" in appropriate b	block. If no, please explain.	X YES NO
9. Is the applicant <i>(individual or company)</i> a U.S. national or U.S. based company If no, give name of country	?	X YES NO
10. Is the applicant the original owner? X YES NO If no, please and	swer the fallowing:	
a. If original rights to variety were owned by individual(s), is (are) to	ha ariainal accessors - 110	
YES NO If no, give name of country	ne original owner(s) a U.S. nation	al(s)?
b. If original rights to variety were owned by a company, is the orig	rinal owner(s) a U.S. based compa	any?
YES NO If no, give name of country	•	
11. Additional explanation on ownership (If needed, use reverse for extra space): Bingo was developed by Cebece International Seeds the New Jersey Agricultural Experiment Station	s, Inc. using germpla	sm obtained from
PLEASE NOTE:		
Plant variety protection can be afforded only to owners (not licensees) who meet or 1. If the rights to the variety are owned by the original breader, that are a second of the product o	the state of the s	
 If the rights to the variety are owned by the original breeder, that person must be of a country which affords similar protection to nationals of the U.S. for the same 	ie genus and species.	
If the rights to the variety are owned by the company which employed the origin nationals of a UPOV member country, or owned by nationals of a country which genus and species.	nal breeder(s), the company must n affords similar protection to nati	be U.S. based, owned by ionals of the U.S. for the same
3. If the applicant is an owner who is not the original owner, both the original owner	er and the applicant must meet or	ne of the above criteria.
The original breeder/owner may be the individual or company who directed final bree for definition.	eding. See Section 41(a)(2) of th	e Plant Variety Protection Act
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